

Amendments to the claims:

Please cancel non-elected claims 10-14 without prejudice.

1 (original). A method for making a monolithic metallic catalyst substrate comprising the steps of:

- compounding a metal powder extrusion batch comprising (i) a powder of a metal selected from the group consisting of copper, tin, zinc, aluminum, silver, iron, nickel, and mixtures and alloys thereof, and (ii) at least one carbon-containing temporary organic binder;
- extruding the batch through a honeycomb extrusion die to form a honeycomb substrate preform;
- heating the honeycomb substrate preform in an oxidizing atmosphere for a time and to a temperature at least sufficient to substantially remove the carbon-containing organic binder or extrusion aide by oxidation, thus to provide a carbon-free preform; and
- heating the carbon-free preform in a reducing atmosphere for a time and to a temperature at least sufficient to sinter the carbon-free preform to a unitary monolithic metallic catalyst substrate.

2 (original). A method in accordance with claim 1 wherein the powder is copper metal powder.

3 (original). A method in accordance with claim 1 wherein the metal powder extrusion batch further includes an organic extrusion aide and a liquid vehicle.

4 (original). A method in accordance with claim 1 wherein the carbon-free preform is heated in a reducing atmosphere at a time and for a temperature at least sufficient to achieve a honeycomb wall porosity in the range of 0-50% by volume.

5 (original). A monolithic copper catalyst substrate produced in accordance with the method of claim 2.

6 (original). A monolithic copper catalyst substrate in accordance with claim 5 which incorporates a high surface area washcoat and a metal or metal oxide catalyst.

7 (original). A monolithic copper catalyst substrate in accordance with claim 6 wherein the washcoat is composed of alumina and the catalyst comprises a precious metal.

8 (original). A monolithic copper catalyst substrate in accordance with claim 5 having a wall flow honeycomb configuration.

9 (original). A monolithic copper catalyst substrate in accordance with claim 5 having a z-flow honeycomb configuration.

10 (canceled).

11 (canceled).

12 (canceled).

13 (canceled).

14 (canceled).